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TITLE: Mixt. for prepn. of **fused** monolithic **refractory** material
- contains oxide(s) of aluminium, sodium, zirconium,
silicon and magnesium, to improve properties

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Basic Abstract Text - ABTX (1):

A mixt. contg. (in wt.%): **Al₂O₃** 87.4-96.5, **Na₂O** 0.5-2.6, **ZrO₂** 0.5-3, **SiO₂** 0.5-2.5 and **MgO** 2-4.5, is used to produce **fused** monolithic **refractory** material used as lining for glass making furnaces. Use of the components in specified ratio and omission from the mixt. of **B₂O₃**, improves its properties. The components are melted, cast in graphite moulds and cooled slowly over 3-4 days in diatomite powder. The material is corroded by alkaline borosilicate melt at the rate of 0.7-0.8 mm/24 hours. ADVANTAGE - Reduced tendency to formation of bubbles in the melt in contact with the material, with the bubble forming index reduced from 18.8-21.3 to 5.3-8.1 units. Bul.13/7.4.89

Title - TIX (1):

Mixt. for prepn. of **fused** monolithic **refractory** material - contains oxide(s) of aluminium, sodium, zirconium, silicon and magnesium, to improve properties

Standard Title Terms - TTX (1):

MIXTURE PREPARATION FUSE MONOLITHIC **REFRACTORY** MATERIAL CONTAIN OXIDE ALUMINIUM SODIUM ZIRCONIUM SILICON MAGNESIUM IMPROVE PROPERTIES